

Biologicals Division

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Pel-Freez®

Certificate of Analysis

PRODUCT: Horse Serum, Donor Herd, Non-Hemolyzed, Non-Sterile, Lyophilized

CODE NO: 39325

LOT NO: 20734

DATE OF

MANUFACTURE: July 25, 2012

STORAGE: 2-8°C

PROCEDURE: Blood is aseptically collected from the donor herd horses, (maintained on antibiotic-free diets and controlled under the observation of qualified professional personnel) using a closed system method in a designated bleeding lab. The blood is refrigerated within 8 hours of collection and processed within 48 hours prior to storage at or below -10°C. The serum is later thawed, bottled, refrozen and lyophilized. Once lyophilized, the product is stored at 2-8 °C.

ASSAYS: Total Protein: 7.31 g/dL

Hemoglobin: 5.20 mg/dL

pH: 7.74

(above values measured pre-lyophilization)

Moisture: 6.44%

QUALITY ASSURANCE

Quality Control Release Date: August 3, 2012

Meets or exceeds specifications ✓

Does not meet specifications

Bruce Herbert

SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES